



UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

R. J. Obremski, et al.

Serial No: 09/063,978

Filed: April 21, 1998

For: DETECTION OF VERY LOW QUANTITIES OF
ANALYTE BOUND TO A SOLID PHASE

Art Unit: 1645

Examiner: Hines, Jana A.

I hereby certify that this correspondence is being transmitted via facsimile to (703) 308-4242: Commissioner for Patents, Washington D.C. 20231, on

April 22, 2003

Date of Deposit

Wei-Ning Yang, Reg. No. 38,690

Name

Signature

04/22/03
Date

BOX AF

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Transmitted herewith is an amendment in the above-identified application.

- ☐ Small entity status has been claimed. See 37 CFR § 1.27.
- ☐ A Notice Of Change Of Attorney's Address and Associate Power Of Attorney is enclosed.
- ☐ No additional fee is required.

The fee has been calculated as shown below:

	(Col. 1) CLAIMS REMAINING AFTER AMENDMENT		(Col. 2) HIGHEST NUMBER PREVIOUSLY PAID FOR		(Col. 3) PRESENT EXTRA*	LG/SM \$ ENTITY FEE	ADD'L FEE DUE
TOTAL CLAIMS FEE	46	-	36	**	10	LG=\$18 SM=\$9	\$ 180.00
INDEPENDENT CLAIMS FEE	6	-	6	***	0	LG=\$84 SM=\$42	\$
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIMS						LARGE ENTITY FEE = \$280 SMALL ENTITY FEE = \$140	\$ [FEE]
TOTAL							\$ 180.00

* If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space. The "Highest Number Previously Paid For" (Total or Independent) is the highest number found from the equivalent box on Col. 1 of a prior amendment or the number of claims originally filed.

- X A check in the amount of **\$180.00** to cover the additional claims fee is enclosed. **A copy of this sheet is enclosed.**
- ☐ A check in the amount of \$___ to cover the extension fee is enclosed. **A copy of this sheet is enclosed.**
- ☒ The Commissioner is hereby authorized to charge the fees associated with this communication or credit any overpayment to Deposit Account No. 50-1314. **A copy of this sheet is enclosed.**
- ☒ Any filing fees under 37 C.F.R. § 1.16 for the presentation of extra claims
- ☒ Any patent application processing fees under 37 C.F.R. § 1.17

Respectfully submitted,

HOGAN & HARTSON L.L.P.

Dated April 22, 2003

By:

Wei-Ning Yang
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AF/1645

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AMENDMENT UNDER 37 C.F.R. § 1.116

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Commissioner for Patents
Washington, D.C. 20231

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(NE)Linda
5-5-03

In response to the Final Office Action dated January 22, 2003, please amend
the above-referenced application as follows:

IN THE CLAIMS:

Please replace the text of claims 1, 23, 26, 33, 35, and 36 with the following
text:

1. (Amended Three Times) A binding assay for sensing analyte mass in
a liquid sample, comprising:

a) immobilizing an array on a surface of a substrate, wherein the array
comprises a plurality of microscopic sorbent zones, wherein a microscopic sorbent
zone comprises a multi-layer matrix of an analyte binding partner, the matrix
extending up to 200 nm vertically from the surface of the substrate;

b) contacting a defined volume of sample believed to contain an analyte
with at least one microscopic sorbent zone, the analyte binding partner in the
microscopic sorbent zone being present in excess relative to the analyte, so that any
analyte present in the defined volume is substantially depleted from the sample and